## Please amend the claims as follows:

- 1. (currently amended) Apparatus in a database management system for performing a job 1 which transfers a set of database objects into or out of the database management system, the 2 3 apparatus comprising: a transfer mechanism that transfers database objects; and 4 5 a queryable control database object that represents the job and specifies the set of 6 objects, the transfer mechanism operating under control of the control database object to transfer the 7 8 objects in the set. 1 2. (canceled) The apparatus set forth in claim 1 wherein: 2 the control database object specifies the set of objects. 3. (currently amended) The apparatus set forth in claim 2-1 wherein: the control database object further specifies an order in which the transfer mechanism 2 3 transfers the objects in the set. 4. (currently amended) The apparatus set forth in claim 2-3 wherein: 1 the order orders the objects in the set by size. 2 5. (currently amended) The apparatus set forth in claim 2-1 wherein: 2 the control database object includes a filter that further specifies the set of objects. 6. (original) The apparatus set forth in claim 1 wherein: 1 the transfer mechanism further performs an operation on one or more objects belonging 2 3 to the set; and
  - 7. (original) The apparatus set forth in claim 6 wherein:
- 2 the operation is an operation that transforms the object.

the control database object includes a specification of the operation.

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- 8. (original) The apparatus set forth in claim 7 wherein:
- 2 the operation is an operation that remaps a name in the object to a different name.

## Please cancel the second instances of claims 7 and 8.

- 9. (original) The apparatus set forth in claim 1 wherein:
- 2 the control database object includes a specification of a status of the job; and
- 3 the transfer mechanism updates the status in the specification during the transfer.
- 1 10. (original) The apparatus set forth in claim 9 wherein:
- 2 the control database object is queryable to obtain a current status of the job from the
- 3 specification of the status.
- 1 11. (original) The apparatus set forth in claim 9 wherein:
- 2 the transfer mechanism employs the specification of the status of the job to restart the
- 3 job after the job has been stopped.
- 1 12. (original) The apparatus set forth in claim 1 wherein:
- the control database object specifies a remote database management system as a source
- 3 of the set of objects; and
- 4 the transfer mechanism fetches the set of objects from the remote database management
- 5 system.

- 1 13. (original) The apparatus set forth in claim 12 wherein:
- 2 the control database object specifies the database management system as a destination
- 3 of the set of database objects; and
- 4 the transfer mechanism further fetches the set of database objects into the database
- 5 management system.
  - 14. (original) The apparatus set forth in claim 1 wherein:
- 2 the control database object specifies a set of files in the database system as a source or
- 3 destination of the set of database objects.

- 1 15. (original) The apparatus set forth in claim 14 wherein:
- when the set of files is the source of the set of database objects, the set of files is the
- 3 result of a job and includes a copy of the control database object for the job.
- 1 16. (original) The apparatus set forth in claim 14 wherein:
- 2 the control database object is a table and includes rows representing objects belonging
- 3 to the set of objects.
- 1 17. (original) The apparatus set forth in claim 16 wherein:
- 2 each row representing an object belonging to the set includes a specification of an order
- 3 in which the object represented by the row was transferred to the set of files relative to other
- 4 objects belonging to the set.
- 1 18. (original) The apparatus set forth in claim 16 wherein:
- when the set of files is the destination of the set of database objects, there is a row
- 3 representing each object that has been transferred to the set of files.
- 1 19. (original) The apparatus set forth in claim 16 wherein:
- when the set of files is the source of the set of database objects, there is a row
- 3 representing each object which is to be transferred into the database management system.
- 1 20. (original) The apparatus set forth in claim 19 wherein:
- 2 the row representing a particular object includes a field whose value specifies an order in
- 3 which the object is to be transferred relative to the other objects.
  - 21. (original) The apparatus set forth in claim 16 wherein:
- 2 the set of files is the result of a job and includes a copy of the control database object
- 3 for the job, the copy having a row for each database object contained in the set of files; and
- when the transfer mechanism is transferring the objects belonging to the set of objects
- 5 from the set of files into the database management system, the control database object contains
- a copy of at least the rows representing the objects from the copy of the control database object
- 7 in the file set.

- 22. (original) The apparatus set forth in claim 16 wherein:
- 2 the row in the copied rows representing a particular object includes a field whose value
- 3 specifies an order in which the object is to be transferred relative to the other objects represented
- 4 by the copied rows.
- 1 23. (original) The apparatus set forth in claim 14 wherein:
- 2 the control database object further specifies a template whereby the transfer mechanism
- 3 may add a file to the set of files when required for transferring the objects.
- 1 24. (original) The apparatus set forth in claim 1 wherein:
- 2 the control database object specifies a remote database management system as a source
- 3 of the set of objects and a set of files in the database system as a destination therefor; and
- 4 the transfer mechanism transfers the set of objects from the remote database
- 5 management system to the set of files.
- 25. (original) The apparatus set forth in claim 1 wherein:
- 2 the control database object specifies a set of files in the database system as a source of
- 3 the set of objects; and
- 4 the transfer mechanism transfers the set of objects from the set of files into the database
- 5 management system
- 1 **26.** (original) The apparatus set forth in claim 1 wherein:
- 2 the transfer mechanism further provides an interface whereby an entity that uses the
- 3 transfer mechanism may interact with the job.
- 27. (currently amended) The apparatus set forth in claim 26 wherein:
- 2 the interface permits the entity to attach to and detach from the job for as long as the
- 3 job's control database object exists, transfer of the objects by the transfer mechanism being
- 4 unaffected by detachment of the user-entity from the job.
  - 28. (original) The apparatus set forth in claim 26 wherein:
- 2 the entity may use the interface via a network connection to the database management
- 3 system.

- 1 **29.** (original) The apparatus set forth in claim 26 wherein:
- 2 the interface includes a defining interface whereby the entity may define a portion of
- 3 the job's control database object.
- 1 30. (original) The apparatus set forth in claim 26 wherein:
- 2 the interface includes an executing interface whereby the entity may interact with the
- 3 transfer mechanism from the time the transfer mechanism begins transferring the objects in the
- 4 set until the job's control database object ceases to exist.
- 1 31. (original) The apparatus set forth in claim 30 wherein:
- 2 the entity may use the executing interface to obtain a current status of the job from a
- 3 specification of the status of the job in the control database object.
- 1 32. (original) The apparatus set forth in claim 27 wherein:
- 2 the entity may use the executing interface to stop performance of the job by the transfer
- 3 mechanism or the transfer mechanism may stop performance of the job in response to an error.
- 1 33. (original) The apparatus set forth in claim 32 wherein:
- 2 the entity may use the executing interface to restart a stopped job, the transfer
- 3 mechanism using a specification of the status of the job in the control database object to restart
- 4 the job.
- 1 34. (original) The apparatus set forth in claim 30 wherein:
- 2 the entity may use the executing interface to affect allocation of resources by the
- 3 transfer mechanism to the job.
  - 35. (original) The apparatus set forth in claim 34 wherein:
- 2 the transfer mechanism operates on objects in the set in parallel; and
- 3 the entity uses the executing interface to specify a maximum degree of parallelism for
- 4 the job.

1	36. (currently amended) A set of files for transferring a set of database objects into a
2	database management system,
3	the set of files comprising:
4	at lease least one file containing the objects belonging to the set thereof; and
5	a queryable control database object contained in a file belonging to the set thereof of
6	files that specifies for each object belonging to the set the location of the object in the set of
7	files and an order in which the database management system transfers the object during the
8	transfer.
1	37. (original) The set of files set forth in claim 36 wherein:
2	the file further includes metadata that defines a type of database objects and one or
3	more database objects that belong to the type defined by the metadata; and
4	the order determines that the metadata is processed before the database objects that
5	belong to the type defined by the metadata.
1	38. (original) The set of files set forth in claim 36 further comprising:
2	a header in each file of the set, the header including
3	an indication the control object is contained in the file and if so, the location of
4	the control object in the file and
5	an identifier that identifies the file within the set; and
6	the control object uses the identifier in specifying the location of the object in the set of
7	files.
1	39. (currently amended) A method of transferring database objects to a destination, each
2	database object having metadata that defines the database object's type and
3	the method comprising the steps of:
4	obtaining metadata for the object type and using the metadata to make a determination
5	of the composition of the objects of the type;
6	selecting a transfer technique for objects belonging to the type from a plurality thereof
7	according to the determination; and
8	transferring the objects belonging to the type according to the selected transfer
9	technique.

1	40. (original) The method of transferring database objects set forth in claim 39 wherein:
2	in the step of transferring, the objects are transferred in parallel.
1	41. (original) The method of transferring database objects set forth in claim 40 further
2	comprising the step of:
3	receiving a value that specifies a degree of parallelism,
4	the objects being transferred in parallel as determined by the degree of parallelism.
1	42. (original) The method of transferring database objects set forth in claim 40 wherein:
2	the transfer technique for certain of the objects permits transfer of portions of the
3	contents of the object in parallel; and
4	in the step of transferring the certain objects, the portions are transferred in parallel.
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1	43. (currently amended) A method of performing a job that transfers a set of database objects:
2	into or out of a database management system that includes a transfer mechanism that transfers
3	the database objects under control of a control database object in the database management
4	system that represents the job,
5	the method comprising the steps of:
6	defining a queryable control database object that represents the job and specifies the set
7	of objectsthe job's control database object; and
8	executing the job by causing the transfer mechanism to transfer the set of database
9	objects under control of the job's control data base object.
1	44. (original) The method of performing a job set forth in claim 43 further comprising the step
2	performed in either the defining step or the executing step of:
3	attaching to the job, attachment permitting at least reading and/or modification of the
4	job's control database object.
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1	45. (original) The method of performing a job set forth in claim 44 further comprising the step
2	performed after the step of attaching to the job of:
3	reading the job's control database object to get the job's current status.

- 46. (original) The method of performing a job set forth in claim 44 wherein
- 2 the transfer mechanism transfers the data objects in parallel and
- 3 the method further comprises the step performed after the step of attaching to the job of:
- 4 specifying a degree of parallelism with which the objects may be transferred.
- 1 47. (original) The method of performing a job set forth in claim 44 wherein the method
- 2 further comprises the step performed after the step of attaching to the job of:
- 3 starting the step of executing the job.
- 48. (original) The method of performing a job set forth in claim 44 wherein the method
- 2 further comprises the step performed after attaching to the job of:
- 3 stopping the step of executing the job.
- 49. (original) The method of performing a job set forth in claim 48 wherein the step of
- 2 stopping the step of executing the job further comprises the step of:
- 3 saving job state in the control database object such that the step of executing the job
- 4 may be restarted from the job state.
- 50. (original) The method of performing a job set forth in claim 43 wherein:
- 2 the step of defining the job includes the step of creating the job's control database
- 3 object.
- 51. (original) The method of performing a job set forth in claim 43 wherein:
- 2 the step of defining the job includes the step of specifying a source and/or destination
- 3 for the set of database objects in the job's control database object.
- 52. (canceled) The method of performing a job set forth in claim 43 wherein:
- the step of defining the job includes the step of specifying the set of database objects in
- 3 the job's control database object.
  - 53. (currently amended) The method of performing a job set forth in claim 52 43 wherein:

- the step of defining the job includes the step of specifying a filter in the job's control database object, the filter defining a subset of the specified set of database objects as the set of objects to be transferred in the job.
- 54. (original) The method of performing a job set forth in claim 43 wherein:
- 2 the step of defining the job includes the step of specifying an operation in the job's
- 3 control database object that is to be performed on one or more objects in the set.
- 55. (original) The method of performing a job set forth in claim 43 wherein:
- 2 the step of defining the job includes the step of defining a parameter for the job in the
- 3 job's control database object for the job.
- 56. (currently amended) The method of performing a job set forth in claim 43 wherein
- 2 the step of executing the job includes the step performed when the step of executing the
- 3 job must be stopped of:
- 4 saving job state in the control database object such that the stopped executing step may
- 5 be restarted from the job state.
- 57. (original) The method of performing a job set forth in claim 56 wherein the step of
- 2 executing the job includes the step performed when the step of executing the job has been
- 3 stopped of:
- 4 using the job state to restart the stopped executing step.
- 1 58. (new) The apparatus set forth in claim 1 wherein:
- 2 the control database object includes a specification of one or more parameters for the
- 3 job,
- 4 the transfer mechanism transferring the objects in the set as specified by the parameter.

- 1 **59.** (new) The apparatus set forth in claim 7 wherein:
- 2 the parameter is an estimate only parameter,
- 3 the transfer mechanism responding thereto by providing an estimate of the space required
- 4 for the objects in the set without transferring the objects.
- 1 **60.** (new) The apparatus set forth in claim 1 wherein:
- 2 the control database object is a table and includes rows representing the objects
- 3 belonging to the set of database objects.
- 1 61. (new) The apparatus set forth in claim 60 wherein:
- 2 the row representing a particular object includes a field whose value specifies an
- 3 order in which the object is to be transferred relative to the other objects.
- 1 **62.** (new) A data storage device characterized in that:
- 2 the data storage device contains code which, when executed by a processor,
- 3 implements the apparatus set forth in claim 1.
- 1 63. (new) A data storage device characterized in that:
- the data storage device contains the set of files set forth in claim 36.
- 1 **64.** (new) A data storage device characterized in that:
- 2 the data storage device contains code which, when executed by a processor,
- 3 implements the method set forth in claim 39.
- 1 65. (new) A data storage device characterized in that:
- 2 the data storage device contains code which, when executed by a processor,
- 3 implements the method set forth in claim 43.